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IN THE UNITED STATES PATENT AND TRADEMARK
OFFICE

Applicant Chung-I Chang Art Unit: 3663
Series No 10/725,105 Examiner: Luu, Matthew
Filed 12/02/2003
Title Method for Generating Color Monitor Profile for Different
Operating Systems

Mail Stop Non-Fee Amendment

Honorable Assistant Commissioner for Patents

P.O. Box 1450

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Sir:

Responsive to the Official Action date 02/ 10 / 2006, please amend the legend of Fig. 1, "color meter" corrected as "colorimeter"; and the same "color meter" also corrected as "colorimeter" in the specification. Some erroneously spelt words such as "softwear", "sued"...etc. now is corrected according to the instruction of the official action. A "mark up" and a "clean" copies of the amended specification are also attached for the Examiner's reference.

Since the Examiner kindly cited the Weber Dictionary about "colorimeter" to reject the present invention. The applicant would rather to cite both of the "colorimetry" and "colorimeter" terms from Wikipedia (please see encl. 1~2), in which "any tool" made "rough estimate" of a color sample, can be named as "colorimeter", which is restricted to 3 values of RGB as the device described in the present

invention measuring hues, gray levels and RGB values (please see page 2, lines 17-18 of the original specification).

In the specification of ICC. 1: 2004-10 page 58 (encl. 3) that “applications may select the same units that are measured by the user’s instrument”...and “a wide range of measurement units is vital”; therefore, the present invention is to provide an instrument in compliance with the intention of the ICC, for example, cited in the Fig.21 of US6,628,822 to list such as “rTRC, gTRC, bTRC; wtpt; rXYZ, gXYZ, bXYZ” calculating tristimulus values; non-linear and linear RGB values expressed in the three component matrix based profile computational models.(please see Annex F of ICC specification 2004 pages 90-91) And, at least, the colorimeter of the present invention is aimed to provide further data about hues, gray levels..., which is not included in the scope of the colorimeter of the cited ’822.

But why? The present invention still provides the colorimeter for measuring color samples instead of the colorimeter of cited ’822. Please refer to page 159 of “How to Do Everything with Your Digital Camera” (sec. Edition. 2002 by the McGraw-Hill)(encl. 4), in which, it disclosed that a user had to manually start the software, even to shut off PC before insert and remove cables about a serial port, which is supported by such as cited ’822 to incorporate with the colorimeter.

At least, a waste, streamline work or load burden should be reasonably reduced, when dealing with the color sample measuring by a colorimeter.

Due to the ICC is to request the profile originator, builder or provider to provide the Tag of the profile as data structure, as known, it was also discussed in the page 74 of the “Digital Photography: Expert Techniques” (by Ken Milburn, 2004 O’Reilly Media, Inc.)

(encl. 5) "Each tag is simply a descriptive reference to that file--it does not alter the file itself", in other words, the tag described the data no matter where is the data located, it means the location of the measured data can be separated as required.

Therefore, even a successively measured pixel data, for example, such as a streaming video restricted to see on line immediately. Supposed the program should have been changed into other channels across the platforms, other operating systems performance was evaluated by the users. The colorimeter, under legal consideration, is required to measure the color samples on the screen, and then transfer across the platform into the other operating system.

In the McGraw-Hill Computer Handbook (edited by Harry Helms, 1983) page 10-8, (encl. 6) it disclosed "the translator can easily permit changes in the program without the need to recompile, it can also permit the language to be more convenient, since it depends on 'last-moment' information about storage allocation and resource use".

Learn Visual C++ 1.0 Now (by Mark Andrews 1996) page 10-43 published in Taiwan (encl. 7) taught the image bits can be separated from others (including bitmapfile header, bitmapinfoheader, color talbe) in DIB (device independent bitmap), the location of the image bits can be inferred from the field value of bfoffBits, which is diagrammatically illustrated by a dashed line connected to the image bits.

"Identity palette" was also mentioned by the same, it was the logical palette constructed by the application program is identical to the default logical palette, such as the DEFAULT_PALETTE provided by the GDI, and the same sequence of colors in the system and logical palettes to form an "identity palette" is expected to reduce the time waste for finding color index values, even not to assign the colors for the application, pixels of the background may be treated as